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MILK

PRODUCTION, DISPOSITION, INCOME 1976-78

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MILK PRODUCTION, DISPOSITION AND INCOME, 1978

Milk production during 1978 totaled 122 billion pounds, 1 percent below the 1977 output of 123 billion pounds. The 1978 production was 4 percent below the record 1964 total of 127 billion pounds. Output per cow in 1978 was a record 11,240 pounds, up 59 pounds from 1977. The annual average number of cows was 10.8 million head, 1 percent below the 1977 average of 11.0 million, and continues the downward trend.

Cash receipts from marketings of milk and cream in 1978 were at a record \$12.7 billion--8 percent above the previous high of \$11.8 billion in 1977. A decrease in marketings was offset by higher milk prices. Producer returns from combined marketings averaged \$10.67 per hundredweight, up 87 cents from 1977. Producers marketed 119 billion pounds--milk equivalent--compared with 120 billion pounds in 1977. Marketings include whole milk and producer-separated cream sold to plants and dealers, as well as milk sold directly to consumers.

An estimated 2.65 billion pounds of milk were used where produced--7 percent less than a year earlier. More than forty percent was consumed in producers' households as fluid milk, cream, and butter with the balance fed to calves.

1978 MILK PRICES AND FAT TEST

Milk prices and fat test for all States for 1978 are shown on pages 3, 8, 10, and 11, including revisions where necessary.

MILK COWS AND PRODUCTION OF MILK AND MILKFAT, UNITED STATES, 1976-78

YEAR	NUMBER OF MILK COWS <u>1/</u>	PRODUCTION OF MILK AND MILKFAT <u>2/</u>				
		PER MILK COW		PERCENTAGE	TOTAL	
		MILK	MILKFAT	OF FAT IN ALL MILK PRODUCED	MILK	MILKFAT
	THOUSANDS	POUNDS		PERCENT	MILLION POUNDS	
1976	11,055	10,879	399	3.66	120,269	4,406
1977	10,974	11,181	409	3.65	122,698	4,483
1978	10,848	11,240	412	3.67	121,928	4,470

1/ AVERAGE NUMBER DURING YEAR, EXCLUDING HEIFERS NOT YET FRESH. 2/ EXCLUDES MILK SUCKED BY CALVES.

MILK USED AND MARKETING BY PRODUCERS, UNITED STATES, 1976-78

YEAR	MILK USED WHERE PRODUCED			MILK MARKETING BY PRODUCERS			
	FED TO CALVES <u>1/</u>	USED FOR MILK, CREAM AND BUTTER	TOTAL	SOLD TO PLANTS AND DEALERS <u>2/</u>		SOLD DIRECTLY TO CONSUMERS <u>3/</u>	TOTAL
				AS WHOLE MILK	AS SEPARATED CREAM		
				MILLION POUNDS			
1976	1,562	1,404	2,966	115,558	230	1,515	117,303
1977	1,548	1,295	2,843	118,172	186	1,498	119,856
1978	1,488	1,166	2,654	117,644	118	1,511	119,273

1/ EXCLUDES MILK SUCKED BY CALVES. 2/ INCLUDES MILK PRODUCED BY DEALERS' OWN HERDS. 3/ SALES DIRECTLY TO CONSUMERS BY PRODUCERS WHO SELL ONLY MILK FROM THEIR OWN HERDS. ALSO INCLUDES MILK PRODUCED BY INSTITUTIONAL HERDS.

MILK AND CREAM MARKETING BY PRODUCERS: QUANTITY, PRICE, AND CASH RECEIPTS, UNITED STATES, 1976-78

YEAR	MILK SOLD TO PLANTS AND DEALERS			CREAM SOLD TO PLANTS AND DEALERS			MILK SOLD DIRECTLY TO CONSUMERS		
	QUANTITY	PRICE	CASH	QUANTITY	PRICE	CASH	QUANTITY	PRICE	CASH
		PER 100 LB	RECEIPTS		PER LB OF FAT	RECEIPTS		PER QUART	RECEIPTS
	MIL LBS	DOL	1,000 DOL	1,000 LBS	CT	1,000 DOL	1,000 QT	CT	1,000 DOL
1976	115,558	9.66	11,165,363	8,350	83.4	6,966	704,510	36.4	256,126
1977	118,172	9.72	11,489,633	6,736	92.0	6,197	696,557	36.7	255,900
1978	117,644	10.58	12,445,204	4,245	102.0	4,332	702,979	38.8	272,892

MARKETING, INCOME, AND VALUE OF MILK PRODUCTION, UNITED STATES, 1976-78

YEAR	COMBINED MARKETINGS OF MILK AND CREAM				USED FOR MILK, CREAM AND BUTTER WHERE PRODUCED		GROSS PRODUCERS INCOME	VALUE OF ALL MILK PRODUCED
	MILK UTILIZED	AVERAGE RETURNS <u>1/</u>		CASH RECEIPTS FROM MARKETINGS	MILK UTILIZED	VALUE <u>2/</u>	<u>3/</u>	<u>4/</u>
		PER 100 POUNDS OF MILK	PER POUND OF MILKFAT					
	MIL LBS	DOLLARS		1,000 DOL	MIL LBS	1,000 DOLLARS		
1976	117,303	9.74	2.66	11,428,455	1,404	137,998	11,566,453	11,714,591
1977	119,856	9.80	2.68	11,751,730	1,295	127,699	11,879,429	12,027,741
1978	119,273	10.67	2.91	12,722,428	1,166	125,012	12,847,440	13,004,082

1/ CASH RECEIPTS DIVIDED BY MILK OR MILKFAT REPRESENTED IN COMBINED MARKETINGS. 2/ VALUE AT AVERAGE RETURNS PER 100 POUNDS OF MILK IN COMBINED MARKETINGS OF MILK AND CREAM. 3/ CASH RECEIPTS FROM MARKETINGS OF MILK AND CREAM PLUS VALUE OF MILK USED FOR HOME CONSUMPTION AND PRODUCER-CHURNED BUTTER.

4/ INCLUDES VALUE OF MILK FED TO CALVES.

MILK COWS AND PRODUCTION OF MILK AND MILKFAT, BY STATES, 1977

STATE	NUMBER OF MILK COWS 1/	PRODUCTION OF MILK AND MILKFAT 2/				
		PER MILK COW		PERCENTAGE OF FAT IN ALL MILK PRODUCED	T O T A L	
		MILK	MILKFAT		MILK	MILKFAT
	THOUSANDS	POUNDS		PERCENT	MIL. LBS.	
ALA	85	8047	293	3.64	684	25
ALAS	1.5	10933	375	3.43	16.4	0.6
ARIZ	69	13246	473	3.57	914	33
ARK	89	8146	286	3.51	725	25
CALIF	827	14472	517	3.57	11968	427
COLO	71	11944	424	3.55	848	30
CONN	52	12000	444	3.70	624	23
DEL	12.2	11393	420	3.69	139.0	5.1
FLA	198	10066	353	3.51	1993	70
GA	129	9985	367	3.68	1288	47
HAW	13.0	11538	396	3.43	150.0	5.1
IDAHO	141	11348	407	3.59	1600	57
ILL	234	10748	397	3.69	2515	93
IND	208	10913	409	3.75	2270	85
IOWA	386	10440	382	3.66	4030	147
KANS	140	10436	379	3.63	1461	53
KY	278	8727	322	3.69	2426	90
LA	132	8250	302	3.66	1089	40
MAINE	58	11000	403	3.66	638	23
MD	138	11413	421	3.69	1575	58
MASS	51	11706	431	3.68	597	22
MICH	403	11814	436	3.69	4761	176
MINN	866	10950	393	3.59	9483	340
MISS	112	7661	282	3.68	858	32
MO	298	9792	354	3.62	2918	106
MONT	27	10963	396	3.61	296	11
NEBR	133	10105	369	3.65	1344	49
NEV	14.3	13846	479	3.46	198.0	6.9
N H	31	10935	408	3.73	339	13
N J	47	11681	432	3.70	549	20
N MEX	31	13742	471	3.43	426	15
N Y	914	11186	402	3.59	10224	367
N C	145	10979	403	3.67	1592	58
N DAK	107	8916	317	3.55	954	34
OHIO	400	11138	412	3.70	4455	165
OKLA	116	9655	342	3.54	1120	40
OREG	93	11312	432	3.82	1052	40
PA	703	11083	412	3.72	7791	290
R I	5.0	11400	416	3.65	57.0	2.1
S C	55	9509	368	3.87	523	20
S DAK	171	9766	349	3.57	1670	60
TENN	208	10486	392	3.74	2181	82
TEX	315	10705	377	3.52	3372	119
UTAH	78	12000	427	3.56	936	33
VT	191	10995	405	3.68	2100	77
VA	173	11012	403	3.66	1905	70
WASH	176	14466	538	3.72	2546	95
W VA	38	8763	324	3.70	333	12
WISC	1802	11676	437	3.74	21041	787
WYO	11.6	10690	388	3.63	124.0	4.5
U.S.	10974	11181	409.	3.65	122698	4483

1/ AVERAGE NUMBER DURING YEAR, EXCLUDING HEIFERS NOT YET FRESH.

2/ EXCLUDES MILK SUCKED BY CALVES.

MILK USED AND MARKETING BY PRODUCERS, BY STATES, 1977

STATE	MILK USED WHERE PRODUCED			MILK MARKETING BY PRODUCERS			
	FED TO CALVES 1/	USED FOR MILK CREAM AND BUTTER	TOTAL	SOLD TO PLANTS AND DEALERS 2/		SOLD DIRECTLY TO CONSUMERS 3/	TOTAL
				AS WHOLE MILK	AS SEPARATED CREAM		
M I L L I O N P O U N D S							
ALA	5	23	28	635		21	656
ALAS	0.3	0.4	0.7	15.1		0.6	15.7
ARIZ	7	2	9	860		45	905
ARK	9	27	36	675		14	689
CALIF	72	11	83	11540		345	11885
COLO	28	15	43	760	5	40	805
CONN	6	6	12	595		17	612
DEL	1	2	3	135		1	136
FLA	6	12	18	1945		30	1975
GA	7	13	20	1260		8	1268
HAW	1.5	1.0	2.5	147.5		4/	147.5
IDAHO	35	14	49	1535	2	14	1551
ILL	24	14	38	2475		2	2477
IND	20	18	38	2215	6	11	2232
IOWA	72	57	129	3870	19	12	3901
KANS	23	19	42	1405	6	8	1419
KY	30	116	146	2255		25	2280
LA	4	23	27	1050		12	1062
MAINE	8	7	15	615		8	623
MD	11	16	27	1540		8	1548
MASS	5	6	11	550		36	586
MICH	62	29	91	4625	19	26	4670
MINN	138	67	205	9270	8		9278
MISS	3	19	22	830		6	836
MO	29	30	59	2845	2	12	2859
MONT	7	12	19	266	9	2	277
NEBR	25	26	51	1270	18	5	1293
NEV	3	2	5	192		1	193
N H	3	4	7	322		10	332
N J	6	3	9	520		20	540
N MEX	4	7	11	398		17	415
N Y	145	91	236	9895		93	9988
N C	10	60	70	1505		17	1522
N DAK	28	16	44	880	27	3	910
OHIO	54	49	103	4335		17	4352
OKLA	13	24	37	1065	3	15	1083
OREG	24	8	32	975		45	1020
PA	55	70	125	7370	15	281	7666
R I	1	1	2	53		2	55
S C	7	11	18	496		9	505
S DAK	24	22	46	1575	44	5	1624
TENN	49	55	104	2065		12	2077
TEX	35	25	60	3280		32	3312
UTAH	9	12	21	875		40	915
VT	30	17	47	2045		8	2053
VA	18	35	53	1845		7	1852
WASH	23	8	31	2385		130	2515
W VA	6	18	24	300	2	7	309
WISC	358	168	526	20500		15	20515
WYO	4	4	8	112	1	3	116
U.S. 5/	1548	1295	2843	118172	186	1498	119856

1/ EXCLUDES MILK SUCKED BY CALVES. 2/ INCLUDES MILK PRODUCED BY DEALERS' OWN HERDS (EXCEPT FOR NEW YORK AND CALIFORNIA, WHERE SUCH MILK IS INCLUDED AS SOLD DIRECTLY TO CONSUMERS). 3/ SALES DIRECTLY TO CONSUMERS BY PRODUCERS WHO SELL ONLY MILK FROM THEIR OWN HERDS. ALSO INCLUDES MILK PRODUCED BY INSTITUTIONAL HERDS. 4/ NOT PUBLISHED TO AVOID DISCLOSING INDIVIDUAL OPERATIONS. INCLUDED IN MILK SOLD TO PLANTS. 5/ TOTAL MILK SOLD PLUS USED ON FARMS DOES NOT EQUAL TOTAL MILK PRODUCED DUE TO ROUNDING.

MILK AND CREAM MARKETING BY PRODUCERS: QUANTITY, PRICE AND CASH RECEIPTS, BY STATES, 1977

STATE	MILK SOLD TO PLANTS AND DEALERS				CREAM SOLD TO PLANTS AND DEALERS			MILK SOLD DIRECTLY TO CONSUMERS 4/		
	QUANTITY	PERCENT FLUID GRADE 1/	PRICE PER 100 LBS	CASH RECEIPTS	QUANTITY MILKFAT	PRICE PER LB FAT	CASH RECEIPTS	QUANTITY	PRICE PER QUART	CASH RECEIPTS
	MIL. LBS.	PCT.	DOLLARS	1000 DOL.	1000 LBS.	CT.	1000 DOL.	1000 QTS.	CT.	1000 DOL.
ALA	635	98	10.90	69215				9767	35.0	3418
ALAS	15.1	100	17.80	2688				279	45.0	126
ARIZ	860	100	10.10	86860				20930	35.0	7326
ARK	675	75	10.00	67500				6512	35.0	2279
CALIF	11540	96	9.76	1126304				160465	35.0	56163
COLO	760	2/	10.40	79040	184	100	184	18605	40.0	7442
CONN	595	100	10.60	63070				7907	46.0	3637
DEL	135	100	10.40	14040				465	40.0	186
FLA	1945	100	12.20	237290				13953	40.0	5581
GA	1260	100	10.50	132300				3721	53.0	1972
HAW	147.5	100	15.70	3/23158						
IDAHO	1535	38	9.00	138150	72	73	53	6512	39.0	2540
ILL	2475	81	9.45	233888				930	35.0	326
IND	2215	90	9.95	220393	230	91	209	5116	42.0	2149
IOWA	3870	55	9.05	350235	671	110	738	5581	45.0	2511
KANS	1405	84	9.60	134880	218	65	142	3721	36.0	1340
KY	2255	76	9.45	213098				11628	41.0	4767
LA	1050	100	10.70	112350				5581	39.0	2177
MAINE	615	100	10.80	66420				3721	42.0	1563
MO	1540	100	10.40	160160				3721	40.0	1488
MASS	550	100	10.70	58850				16744	42.0	7032
MICH	4625	95	9.65	446313	716	105	752	12093	43.0	5200
MINN	9270	50	8.81	816687	286	100	286		28.0	
MISS	830	95	10.20	84660				2791	39.0	1088
MO	2845	72	9.30	264585	75	76	57	5581	46.0	2567
MONT	266	93	9.95	26467	330	88	290	930	36.0	335
NEBR	1270	56	9.20	116840	650	65	423	2326	44.0	1023
NEV	192	100	9.75	18720				465	40.0	186
N H	322	100	10.60	34132				4651	42.0	1953
N J	520	100	10.20	53040				9302	36.0	3349
N MEX	398	100	10.80	42984				7907	51.0	4033
N Y	9895	100	9.75	964763				43256	38.0	16437
N C	1505	97	10.90	164045				7907	35.0	2767
N DAK	880	37	8.60	75680	961	84	807	1395	43.0	600
OHIO	4335	92	9.80	424830				7907	42.0	3321
OKLA	1065	89	10.00	106500	110	73	80	6977	42.0	2930
OREG	975	85	9.90	96525				20930	34.0	7116
PA	7370	98	10.40	766480	555	90	500	130698	32.0	41823
R I	53	100	10.70	5671				930	46.0	428
S C	496	100	11.40	56544				4186	47.0	1967
S DAK	1575	30	8.85	139388	1562	101	1578	2326	40.0	930
TENN	2065	82	9.75	201338				5581	39.0	2177
TEX	3280	100	10.70	350960				14884	50.0	7442
UTAH	875	74	9.35	81813				18605	31.0	5768
VT	2045	100	10.30	210635				3721	40.0	1488
VA	1845	92	10.30	190035				3256	41.0	1335
WASH	2385	100	9.70	231345				60465	35.0	21163
W VA	300	2/	9.95	29850	79	85	67	3256	48.0	1563
WISC	20500	66	9.21	1888050				6977	33.0	2302
WYO	112	2/	9.70	10864	37	85	31	1395	42.0	586
U.S.	118172	82	9.72	11489633	6736	92.0	6197	696557	36.7	255900

1/ PERCENTAGE OF MILK SOLD TO PLANTS AND DEALERS THAT IS ELIGIBLE FOR FLUID USE (GRADE A IN MOST STATES). INCLUDES FLUID-GRADE MILK USED IN MANUFACTURED DAIRY PRODUCTS. 2/ NOT PUBLISHED TO AVOID DISCLOSING INDIVIDUAL OPERATIONS. 3/ BASED ON UNROUNDED VALUE. INCLUDES MILK SOLD DIRECT TO CONSUMERS. 4/ ALSO INCLUDES MILK PRODUCED BY INSTITUTIONAL HERDS.

MARKETINGS, INCOME, AND VALUE OF MILK PRODUCTION, BY STATES, 1977

STATE	COMBINED MARKETINGS OF MILK AND CREAM				USED FOR MILK CREAM AND BUTTER WHERE PRODUCED		GROSS PRODUCER INCOME 3/	VALUE OF MILK PRODUCED 2/ 4/
	MILK UTILIZED	AVERAGE RETURNS 1/		CASH RECEIPTS FROM MARKETINGS				
		PER 100 POUNDS MILK	PER POUND MILKFAT					
					MILK UTILIZED	VALUE 2/		
	MIL. LBS	DOLLARS		1000 DOL.	MIL. LRS.		1000 DOLLARS	
ALA	656	11.07	3.04	72633	23	2546	75179	75719
ALAS	15.7	17.92	5.22	2814	0.4	72	2886	2939
ARIZ	905	10.41	2.92	94186	2	208	94394	95147
ARK	689	10.13	2.89	69779	27	2735	72514	73443
CALIF	11885	9.95	2.79	1182467	11	1095	1183562	1190816
COLO	805	10.77	3.03	86666	15	1616	88282	91330
CONN	612	10.90	2.95	66707	6	654	67361	68016
DEL	136	10.46	2.83	14226	2	209	14435	14539
FLA	1975	12.30	3.50	242871	12	1476	244347	245139
GA	1268	10.59	2.88	134272	13	1377	135649	136399
HAW	147.5	15.70	4.58	23158	1	157	23315	23550
IDAHO	1551	9.07	2.53	140743	14	1270	142013	145120
ILL	2477	9.46	2.56	234214	14	1324	235538	237919
IND	2232	9.98	2.66	222751	18	1796	224547	226546
IOWA	3901	9.06	2.48	353484	57	5164	358648	365118
KANS	1419	9.61	2.65	136362	19	1826	138188	140402
KY	2280	9.56	2.59	217865	116	11090	228955	231926
LA	1062	10.78	2.95	114527	23	2479	117006	117394
MAINE	623	10.91	2.98	67983	7	764	68747	69606
MD	1548	10.44	2.83	161648	16	1670	163318	164430
MASS	586	11.24	3.05	65882	6	674	66556	67103
MICH	4670	9.68	2.62	452265	29	2807	455072	460865
MINN	9278	8.81	2.45	816973	67	5903	822876	835452
MISS	836	10.26	2.79	85748	19	1949	87697	88031
MO	2859	9.35	2.58	267209	30	2805	270014	272833
MONT	277	9.78	2.71	27092	12	1174	28266	28949
NEBR	1293	9.15	2.51	118286	26	2379	120665	122976
NEV	193	9.80	2.83	18906	2	196	19102	19404
N H	332	10.87	2.91	36085	4	435	36520	36849
N J	540	10.44	2.82	56389	3	313	56702	57316
N MEX	415	11.33	3.30	47017	7	793	47810	48266
N Y	9988	9.82	2.74	981200	91	8936	990136	1003997
N C	1522	10.96	2.99	166812	60	6576	173388	174483
N DAK	910	8.47	2.39	77087	16	1355	78442	80804
OHIO	4352	9.84	2.66	428151	49	4822	432973	438372
OKLA	1083	10.11	2.86	109510	24	2426	111936	113232
OREG	1020	10.16	2.66	103641	8	813	104454	106883
PA	7666	10.55	2.84	808803	70	7385	816188	821950
R I	55	11.09	3.04	6099	1	111	6210	6321
S C	505	11.59	2.99	58511	11	1275	59786	60616
S DAK	1624	8.74	2.45	141896	22	1923	143819	145958
TENN	2077	9.80	2.62	203515	55	5390	208905	213738
TEX	3312	10.82	3.07	358402	25	2705	361107	364850
UTAH	915	9.57	2.69	87581	12	1148	88729	89575
VT	2053	10.33	2.81	212123	17	1756	213879	216930
VA	1852	10.33	2.82	191370	35	3616	194986	196787
WASH	2515	10.04	2.70	252508	8	803	253311	255618
W VA	309	10.19	2.75	31480	18	1834	33314	33933
WISC	20515	9.21	2.46	1890352	168	15473	1905825	1937876
WYO	116	9.90	2.73	11481	4	396	11877	12276
U.S.	119856	9.80	2.68	11751730	1295	127699	11879429	12027741

1/ CASH RECEIPTS DIVIDED BY MILK FOR MILKFAT REPRESENTED IN COMBINED MARKETINGS. 2/ VALUED AT AVERAGE RETURNS PER 100 POUNDS OF MILK IN COMBINED MARKETINGS OF MILK AND CREAM. 3/ CASH RECEIPTS FROM MARKETINGS OF MILK AND CREAM PLUS VALUE OF MILK USED FOR HOME CONSUMPTION AND PRODUCER-CHURNED BUTTER. 4/ INCLUDES VALUE OF MILK FED TO CALVES.

MILK COWS AND PRODUCTION OF MILK AND MILKFAT, BY STATES, 1978

STATE	NUMBER OF MILK COWS 1/	PRODUCTION OF MILK AND MILKFAT 2/				
		PER MILK COW		PERCENTAGE OF FAT IN ALL MILK PRODUCED	T O T A L	
		MILK	MILKFAT		MILK	MILKFAT
	THOUSANDS	POUNDS		PERCENT	MIL. LBS.	
ALA	84	7857	284	3.61	660	24
ALAS	1.4	10571	354	3.35	14.8	0.5
ARIZ	68	13176	474	3.60	896	32
ARK	89	8090	289	3.57	720	26
CALIF	846	14027	506	3.61	11867	428
COLO	72	12111	432	3.57	872	31
CONN	50	12240	453	3.70	612	23
DEL	11.7	11026	408	3.70	129.0	4.8
FLA	193	10093	350	3.47	1948	68
GA	129	10000	365	3.65	1290	47
HAW	12.9	11628	403	3.47	150.0	5.2
IDAHO	140	11664	419	3.59	1633	59
ILL	231	10403	385	3.70	2403	89
IND	203	10729	402	3.75	2178	82
IOWA	377	10700	394	3.68	4034	148
KANS	138	10130	370	3.65	1398	51
KY	269	8632	318	3.68	2322	85
LA	128	8305	303	3.65	1063	39
MAINE	57	11193	410	3.66	638	23
MD	134	11493	424	3.69	1540	57
MASS	48	11917	437	3.67	572	21
MICH	403	11893	439	3.69	4793	177
MINN	837	10859	392	3.61	9089	328
MISS	106	7887	291	3.69	836	31
MO	277	9964	363	3.64	2760	100
MONT	27	11148	400	3.59	301	11
NEBR	124	10234	376	3.67	1269	47
NEV	14.7	12810	450	3.51	188.3	6.6
N H	30	10967	410	3.74	329	12
N J	45	11667	431	3.69	525	19
N MEX	33	13879	482	3.47	458	16
N Y	906	11582	418	3.61	10493	379
N C	143	10958	400	3.65	1567	57
N DAK	100	9210	331	3.59	921	33
OHIO	384	11133	413	3.71	4275	159
OKLA	113	9646	344	3.57	1090	39
OREG	93	11452	439	3.83	1065	41
PA	700	11259	421	3.74	7881	295
R I	4.7	11702	428	3.66	55.0	2.0
S C	54	9444	365	3.86	510	20
S DAK	170	9412	337	3.58	1600	57
TENN	209	10230	382	3.73	2138	80
TEX	311	11039	392	3.55	3433	122
UTAH	76	12303	436	3.54	935	33
VT	189	11534	426	3.69	2180	80
VA	172	11058	404	3.65	1902	69
WASH	186	14419	534	3.70	2682	99
W VA	37	9297	344	3.70	344	13
WISC	1811	11735	440	3.75	21252	797
WYO	11.1	10541	378	3.59	117.0	4.2
U.S.	10848	11240	412	3.67	121928	4470

1/ AVERAGE NUMBER DURING YEAR, EXCLUDING HEIFERS NOT YET FRESH.

2/ EXCLUDES MILK SUCKED BY CALVES.

MILK USED AND MARKETING BY PRODUCERS, BY STATES, 1978

STATE	MILK USED WHERE PRODUCED			MILK MARKETING BY PRODUCERS			
	FED TO CALVES 1/	USED FOR MILK CREAM AND BUTTER	TOTAL	SOLD TO PLANTS AND DEALERS 2/		SOLD DIRECTLY TO CONSUMERS 3/	TOTAL
				AS WHOLE MILK	AS SEPARATED CREAM		
	M I L L I O N P O U N D S						
ALA	5	20	25	615		20	635
ALAS	0.3	0.4	0.7	13.7		0.4	14.1
ARIZ	5	1	6	850		40	890
ARK	10	25	35	670		15	685
CALIF	70	10	80	11430		357	11787
COLO	30	16	46	785		41	826
CONN	6	5	11	585		16	601
DEL	1	2	3	125		1	126
FLA	6	12	18	1925		5	1930
GA	6	10	16	1265		9	1274
HAW	1.7	1.0	2.7	147.3		4/	147.3
IDAHO	38	15	53	1565	2	13	1580
ILL	23	13	36	2365		2	2367
IND	20	16	36	2125	6	11	2142
IOWA	73	44	117	3885	17	15	3917
KANS	20	16	36	1355		7	1362
KY	28	111	139	2160		23	2183
LA	4	22	26	1025		12	1037
MAINE	8	7	15	615		8	623
MD	11	16	27	1505		8	1513
MASS	5	5	10	530		32	562
MICH	62	27	89	4675	3	26	4704
MINN	110	47	157	8925	7	0	8932
MISS	3	16	19	810		7	817
MO	28	28	56	2690		14	2704
MONT	8	10	18	272	9	2	283
NEBR	25	25	50	1200	14	5	1219
NEV	3	2	5	182		1	183
N H	4	3	7	313		9	322
N J	7	3	10	490		25	515
N MEX	5	9	14	430		14	444
N Y	142	88	230	10170		93	10263
N C	12	50	62	1485		20	1505
N DAK	26	15	41	860	17	3	880
OHIO	46	48	94	4165		16	4181
OKLA	13	22	35	1040		15	1055
OREG	20	9	29	990		46	1036
PA	55	55	110	7450		321	7771
R I	1	1	2	51		2	53
S C	6	8	14	488		8	496
S DAK	24	19	43	1510	42	5	1557
TENN	51	51	102	2030		6	2036
TEX	22	11	33	3370		30	3400
UTAH	9	11	20	875		40	915
VT	24	17	41	2135		4	2139
VA	19	34	53	1840		9	1849
WASH	23	8	31	2520		131	2651
W VA	6	15	21	316		7	323
WISC	360	163	523	20715		14	20729
WYO	3	4	7	106	1	3	110
U.S. 5/	1488	1166	2654	117644	118	1511	119273

1/ EXCLUDES MILK SUCKED BY CALVES. 2/ INCLUDES MILK PRODUCED BY DEALERS' OWN HERDS (EXCEPT FOR NEW YORK AND CALIFORNIA, WHERE SUCH MILK IS INCLUDED AS SOLD DIRECTLY TO CONSUMERS). 3/ SALES DIRECTLY TO CONSUMERS BY PRODUCERS WHO SELL ONLY MILK FROM THEIR OWN HERDS. ALSO INCLUDES MILK PRODUCED BY INSTITUTIONAL HERDS. 4/ NOT PUBLISHED TO AVOID DISCLOSING INDIVIDUAL OPERATIONS. INCLUDED IN MILK SOLD TO PLANTS. 5/ TOTAL MILK SOLD PLUS USED ON FARMS DOES NOT EQUAL TOTAL MILK PRODUCED DUE TO ROUNDING.

MILK AND CREAM MARKETING BY PRODUCERS: QUANTITY, PRICE AND CASH RECEIPTS, BY STATES, 1978

STATE	MILK SOLD TO PLANTS AND DEALERS				CREAM SOLD TO PLANTS AND DEALERS			MILK SOLD DIRECTLY TO CONSUMERS 4/		
	QUANTITY	PERCENT FLUID GRADE 1/	PRICE PER 100 LBS.	CASH RECEIPTS	QUANTITY MILKFAT	PRICE PER LB FAT	CASH RECEIPTS	QUANTITY	PRICE PER QUART	CASH RECEIPTS
	MIL. LBS.	PCT.	DOLLARS	1000 DOL.	1000 LBS.	CT.	1000 DOL.	1000 QTS.	CT.	1000 DOL.
ALA	615	98	11.60	71340				9302	40.0	3721
ALAS	13.7	100	17.30	2370				186	50.0	93
ARIZ	850	100	11.10	94350				18605	37.0	6884
ARK	670	79	11.00	73700				6977	31.0	2163
CALIF	11430	96	10.20	1165860				166047	38.0	63098
COLO	785	2/	11.20	87920				19070	44.0	8391
CONN	585	100	11.50	67275				7442	47.0	3498
DEL	125	100	11.30	14125				465	43.0	200
FLA	1925	100	12.80	246400				2326	37.0	861
GA	1265	100	11.40	144210				4186	55.0	2302
HAW	147.3	100	16.10	3/ 23715						
IDAHO	1565	38	9.95	155718	72	70	50	6047	40.0	2419
ILL	2365	81	10.40	245960				930	45.0	419
IND	2125	90	10.70	227375	224	103	231	5116	45.0	2302
IOWA	3885	55	10.10	392385	604	118	713	6977	34.0	2372
KANS	1355	85	10.70	144985				3256	40.0	1302
KY	2160	77	10.20	220320				10698	44.0	4707
LA	1025	100	11.50	117875				5581	44.0	2456
MAINE	615	100	11.60	71340				3721	43.0	1600
MD	1505	100	11.30	170065				3721	43.0	1600
MASS	530	100	11.50	60950				14884	43.0	6400
MICH	4675	95	10.50	490875	113	90	102	12093	47.0	5684
MINN	8925	54	9.86	880005	251	115	289			
MISS	810	95	11.10	89910				3256	42.0	1368
MO	2690	72	10.20	274380				6512	50.0	3256
MONT	272	95	10.70	29104	329	91	299	930	40.0	372
NEBR	1200	56	10.30	123600	508	70	356	2326	44.0	1023
NEV	182	100	10.40	18928				465	45.0	209
N H	313	100	11.50	35995				4186	43.0	1800
N J	490	100	11.10	54390				11628	41.0	4767
N MEX	430	100	11.50	49450				6512	50.0	3256
N Y	10170	100	10.50	1067850				43256	41.0	17735
N C	1485	97	11.40	169290				9302	40.0	3721
N DAK	860	39	9.55	82130	612	91	557	1395	46.0	642
OHIO	4165	92	10.70	445655				7442	45.0	3349
OKLA	1040	89	11.00	114400				6977	51.0	3558
OREG	990	87	10.80	106920				21395	36.0	7702
PA	7450	98	11.10	826950				149302	34.0	50763
R I	51	100	11.60	5916				930	47.0	437
S C	488	100	11.90	58072				3721	49.0	1823
S DAK	1510	31	9.80	147980	1495	114	1704	2326	40.0	930
TENN	2030	82	10.60	215180				2791	41.0	1144
TEX	3370	100	11.60	390920				13953	52.0	7256
UTAH	875	74	10.30	90125				18605	33.0	6140
VT	2135	100	11.20	239120				1860	41.0	763
VA	1840	92	11.00	202400				4186	46.0	1926
WASH	2520	100	10.60	267120				60930	36.0	21935
W VA	316	2/	10.70	33812				3256	51.0	1661
WISC	20715	68	10.26	2125359				6512	34.0	2214
WYO	106	2/	10.50	11130	37	83	31	1395	48.0	670
U.S.	117644	83	10.58	12445204	4245	102.0	4332	702979	38.8	272892

1/ PERCENTAGE OF MILK SOLD TO PLANTS AND DEALERS THAT IS ELIGIBLE FOR FLUID USE (GRADE A IN MOST STATES). INCLUDES FLUID-GRADE MILK USED IN MANUFACTURED DAIRY PRODUCTS. 2/ NOT PUBLISHED TO AVOID DISCLOSING INDIVIDUAL OPERATIONS. 3/ BASED ON UNROUNDED VALUE. INCLUDES MILK SOLD DIRECT TO CONSUMERS. 4/ ALSO INCLUDES MILK PRODUCED BY INSTITUTIONAL HERDS.

MARKETINGS, INCOME, AND VALUE OF MILK PRODUCTION, BY STATES, 1978

STATE	COMBINED MARKETINGS OF MILK AND CREAM				USED FOR MILK CREAM AND BUTTER WHERE PRODUCED		GROSS PRODUCER INCOME 3/	VALUE OF MILK PRODUCED 2/ 4/
	MILK UTILIZED	AVERAGE RETURNS 1/		CASH RECEIPTS FROM MARKETINGS	WHERE PRODUCED			
		PER 100 POUNDS MILK	PER POUND MILKFAT		MILK UTILIZED	VALUE 2/		
	MIL. LBS	DOLLARS		1000 DOL.	MIL. LBS.		1000 DOLLARS	
ALA	635	11.82	3.27	75061	20	2364	77425	78012
ALAS	14.1	17.47	5.21	2463	0.4	70	2533	2586
ARIZ	890	11.37	3.16	101234	1	114	101348	101875
ARK	685	11.07	3.10	75863	25	2768	78631	79704
CALIF	11787	10.43	2.89	1228958	10	1043	1230001	1237728
COLO	826	11.66	3.27	96311	16	1866	98177	101675
CONN	601	11.78	3.18	70773	5	589	71362	72094
DEL	126	11.37	3.07	14325	2	227	14552	14667
FLA	1930	12.81	3.69	247261	12	1537	248798	249539
GA	1274	11.50	3.15	146512	10	1150	147662	148350
HAW	147.3	16.10	4.64	23715	1	161	23876	24150
IDAHO	1580	10.01	2.79	158187	15	1502	159689	163463
ILL	2367	10.41	2.81	246379	13	1353	247732	250152
IND	2142	10.73	2.86	229908	16	1717	231625	233699
IOWA	3917	10.10	2.74	395470	44	4444	399914	407434
KANS	1362	10.74	2.94	146287	16	1718	148005	150145
KY	2183	10.31	2.80	225027	11	11444	236471	239398
LA	1037	11.60	3.18	120331	22	2552	122883	123308
MAINE	623	11.71	3.20	72940	7	820	73760	74710
MD	1513	11.35	3.08	171665	16	1816	173481	174790
MASS	562	11.98	3.26	67350	5	599	67949	68526
MICH	4704	10.56	2.86	496661	27	2851	499512	506141
MINN	8932	9.86	2.73	880294	47	4634	884928	896175
MISS	817	11.17	3.03	91278	16	1787	93065	93381
MO	2704	10.27	2.82	277636	28	2876	280512	283452
MONT	283	10.52	2.93	29775	10	1052	30827	31665
NEBR	1219	10.25	2.79	124979	25	2563	127542	130073
NEV	183	10.46	2.98	19137	2	209	19346	19696
N H	322	11.74	3.14	37795	3	352	38147	38625
N J	515	11.49	3.11	59157	3	345	59502	60323
N MEX	444	11.87	3.42	52706	9	1068	53774	54365
N Y	10263	10.58	2.93	1085585	88	9310	1094895	1110159
N C	1505	11.50	3.15	173011	50	5750	178761	180205
N DAK	880	9.47	2.64	83329	15	1421	84750	87219
OHIO	4181	10.74	2.89	449004	48	5155	454159	459135
OKLA	1055	11.18	3.13	117958	22	2460	120418	121862
OREG	1036	11.06	2.89	114622	9	995	115617	117789
PA	7771	11.29	3.02	877713	55	6210	883923	889765
R I	53	11.99	3.28	6353	1	120	6473	6595
S C	496	12.08	3.13	59895	8	966	60861	61608
S DAK	1557	9.67	2.70	150614	19	1837	152451	154720
TENN	2036	10.62	2.85	216324	51	5416	221740	227056
TEX	3400	11.71	3.30	398176	11	1288	399464	402004
UTAH	915	10.52	2.97	96265	11	1157	97422	98362
VT	2139	11.21	3.04	239883	17	1906	241789	244378
VA	1849	11.05	3.03	204326	34	3757	208083	210171
WASH	2651	10.90	2.95	289055	8	872	289927	292338
W VA	323	10.98	2.97	35473	15	1647	37120	37771
WISC	20729	10.26	2.74	2127573	163	16724	2144297	2180455
WYO	110	10.76	3.00	11831	4	430	12261	12589
U.S.	119273	10.67	2.91	12722428	1166	125012	12847440	13004082

1/ CASH RECEIPTS DIVIDED BY MILK FOR MILKFAT REPRESENTED IN COMBINED MARKETINGS. 2/ VALUED AT AVERAGE RETURNS PER 100 POUNDS OF MILK IN COMBINED MARKETINGS OF MILK AND CREAM. 3/ CASH RECEIPTS FROM MARKETINGS OF MILK AND CREAM PLUS VALUE OF MILK USED FOR HOME CONSUMPTION AND PRODUCER-CHURNED BUTTER. 4/ INCLUDES VALUE OF MILK FED TO CALVES.

SUPPLY AND UTILIZATION OF MILK, UNITED STATES, 1976-77 1/

ITEM	1976	1977	1978
		MIL LB	
MILK PRODUCTION	120,269	122,698	121,928
NET IMPORTS OF INGREDIENTS (M.E.) 2/	219	228	231
NET CHANGE IN STORAGE CREAM (M.E.) 3/	39	-16	-11
TOTAL SUPPLY	120,527	122,910	122,148
UTILIZATION (MILK EQUIVALENT)			
USED IN MANUFACTURED PRODUCTS--			
CREAMERY BUTTER, TOTAL M.E.	21,947	24,396	22,444
M.E. OF BUTTER FROM WHEY CREAM	2,543	2,543	2,619
NET MILK EQUIVALENT	19,404	21,853	19,825
CHEESE:			
AMERICAN	20,581	20,473	21,087
OTHER	8,182	8,385	9,056
COTTAGE CHEESE, CREAMED	1,050	1,055	1,052
CANNED MILK:			
EVAPORATED, SWEETENED CONDENSED	1,892	1,809	1,755
BULK CONDENSED WHOLE MILK:			
UNSWEETENED	435	363	359
SWEETENED	208	182	180
DRY WHOLE MILK	554	514	540
ICE CREAM AND OTHER FROZEN DAIRY PRODUCTS,			
TOTAL M.E.	13,722	13,617	13,889
M.E. OF BUTTER AND CONDENSED MILK USED			
IN ICE CREAM	2,099	2,070	1,904
NET MILK EQUIVALENT	11,623	11,547	11,985
OTHER MANUFACTURED PRODUCTS 4/	744	682	689
TOTAL MANUFACTURED PRODUCTS	64,673	66,863	66,528
AVAILABLE FOR USE IN FLUID PRODUCTS			
SOLD BY DEALERS	49,990	49,885	49,685
SOLD BY PRODUCERS DIRECTLY TO CONSUMERS 5/	1,515	1,498	1,511
TOTAL AVAILABLE FOR FLUID PRODUCTS	51,505	51,383	51,196
USED WHERE PRODUCED--			
FED TO CALVES	1,562	1,548	1,488
CONSUMED AS FLUID MILK, CREAM AND FARM-			
CHURNED BUTTER	1,404	1,295	1,166
TOTAL USED BY PRODUCERS	2,966	2,843	2,654
RESIDUAL 6/	1,383	1,821	1,770
TOTAL UTILIZATION	120,527	122,910	122,148

1/ MILK PRODUCTION PLUS THE MILK EQUIVALENT OF NET IMPORTS OF DAIRY MANUFACTURING INGREDIENTS AND NET OUT-OF-STORAGE MOVEMENT OF CREAM EQUALS TOTAL SUPPLY. DATA ON MILK USED IN MANUFACTURING PRODUCTS ARE BASED ON TOTAL MILKFAT REQUIRED TO PRODUCE THE PRODUCTS AND INCLUDE THE MILK EQUIVALENT OF ANY IMPORTED INGREDIENTS USED. 2/ WHOLE MILK EQUIVALENT (MILKFAT BASIS) OF NET IMPORTS OF DAIRY MANUFACTURING INGREDIENTS SUCH AS FROZEN CREAM AND BUTTERFAT-SUGAR MIXTURES. 3/ WHOLE MILK EQUIVALENT OF NET OUT-OF-STORAGE MOVEMENT OF FLUID AND PLASTIC CREAM DURING THE YEAR. A NEGATIVE FIGURE REPRESENTS A NET MOVEMENT OF CREAM INTO STORAGE. 4/ WHOLE MILK EQUIVALENT OF DRY CREAM, MALTED MILK POWDER, PART-SKIM DRY MILK, DRY OR CONCENTRATED ICE CREAM MIX, DEHYDRATED BUTTERFAT AND OTHER MISCELLANEOUS PRODUCTS USING MILKFAT. 5/ SALES DIRECTLY TO CONSUMERS BY PRODUCERS WHO SELL ONLY MILK FROM THEIR OWN HERDS. ALSO INCLUDES MILK PRODUCED BY INSTITUTIONAL HERDS. 6/ RESIDUAL, INCLUDES MINOR MISCELLANEOUS USES AND ANY INACCURACIES IN PRODUCTION AND UTILIZATION ESTIMATES.